AMENDMENT

(amendment based upon the provision of Article 11 of said Law)

To: Examiner of the Patent Office

1. Identification of the International Application

   PCT/JP2004/012776

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4. Item to be amended: Description and Claims

5. Subject Matter of Amendment

(1) The words "a digital encoding method of digital encoding means is switched to a digital encoding method suitable for the facsimile modulating method," appear in lines 14 to 17 on page 10 should be deleted.

(2) The words "the digital encoding method that is optimum to the facsimile modulating method is selected and" which appear in lines 4 to 6 on page 11 should be deleted.

(3) The words "of high reliability" in lines 6 to 7 on page 11 should be deleted.

(4) The words "the digital encoding method of said digital encoding means is switched to a digital encoding method suitable for said facsimile modulating method," which appear in lines 23 to 25 on page 49 should be deleted.

(5) The words "the digital encoding method of said digital encoding means is switched to a digital encoding method suitable for said facsimile modulating method," appears in lines 19 to 22 on page 51 should be deleted.

(6) The words "the digital encoding method of said digital encoding means is switched to a digital encoding method suitable for said facsimile modulating method," appears in lines 17 to 19 on page 53 should be deleted.

(7) New claims 13 through 15 should be added.

6. List of Attached Documents

(1) Replacement sheets of pages 10, 11, 49 to 54 and 54-1

if the opponent station has an IP address, there is
selected a first image communicating procedure by
which the image data is not facsimile-modulated but
sent and received to/from the opponent station on an

5   IP network on the basis of a predetermined IP
communication protocol by using the IP address of the
opponent station obtained from a predetermined server
on the basis of a telephone number of the opponent
station, and

10   if the opponent station does not have the IP
address, there is selected a second image
communicating procedure by which the image data is
facsimile-modulated by a predetermined facsimile
modulating method, an analog facsimile signal

15   obtained by the facsimile modulation is digitally
encoded by the digital encoding means, and
subsequently, the digital coded signal is sent to the
opponent station through a media gateway for
executing analog/digital signal conversion between

20   the IP network and a public line network.

By using the characteristic construction as
mentioned above, according to the invention, the
following advantages are obtained: a large amount of
image data can be sent to the opponent station at a

high speed by using the first image communicating
procedure without using the facsimile procedure, and
when the image communication is made by the second
image communicating procedure, the image

5   communication can be made with the opponent station
through the media gateway.

BRIEF DESCRIPTION OF THE DRAWINGS

Fig. 1 is a block diagram showing a
10   construction of a network system including image
communicating apparatuses using the invention.

Fig. 2A is a block diagram showing an internal
construction of the image communicating apparatus
using the invention.

15   Fig. 2B is a block diagram showing an internal
construction of a conventional image communicating
apparatus.

Fig. 3A is an explanatory diagram showing a
communication sequence for sending an image from an
20   image communicating apparatus 104 in Fig. 1 to an
image communicating apparatus 107.

Fig. 3B is an explanatory diagram showing a
communication sequence for sending an image from the
image communicating apparatus 104 in Fig. 1 to an
25   image communicating apparatus 112.

CLAIMS

1. (amended) A communicating apparatus for digitally encoding a speech signal by digital encoding means and sending the coded signal to an

5   opponent station, thereby making VoIP speech communication and sending and receiving image data to/from the opponent station, comprising:

communication control means for, when image data is sent to the opponent station,

10   if the opponent station has an IP address, selecting a first image communicating procedure by which the image data is not facsimile-modulated but sent and received to/from the opponent station on an IP network on the basis of a predetermined IP

15 communication protocol by using the IP address of the opponent station obtained from a predetermined server on the basis of a telephone number of the opponent station, and

if the opponent station does not have the IP

20 address, selecting a second image communicating procedure by which the image data is facsimile-modulated by a predetermined facsimile modulating method, an analog facsimile signal obtained by said facsimile modulation is digitally encoded by said

25 digital

encoding means, and subsequently, the digital coded signal is sent to the opponent station through a media gateway for executing analog/digital signal conversion between the IP network and a public line

5 network.

2. A communicating apparatus according to claim 1, wherein in said second image communicating procedure, the digital encoding method of said digital encoding means is switched to the digital

10 encoding method suitable for said facsimile modulating method, and a tone signal necessary for a facsimile communication procedure or the facsimile-modulated transmission image data is inputted to said digital encoding means.

15 3. A communicating apparatus according to claim 1, wherein when the image data is sent to the opponent station, which one of said first and second image communicating procedures is used is determined by analyzing the telephone number of the opponent

20 station.

4. A communicating apparatus according to claim 1, wherein in said VoIP speech communication, the digital encoding method of said digital encoding means is selected on the basis of negotiation which

25 is performed on the basis of a VoIP protocol.

5. (amended) A control method of a communicating apparatus for digitally encoding a speech signal by

digital encoding means and sending the coded signal
to an opponent station, thereby making VoIP speech
communication and sending and receiving image data
to/from the opponent station, wherein:

5   when image data is sent to the opponent station,
if the opponent station has an IP address, there is
selected a first image communicating procedure by
which the image data is not facsimile-modulated but
sent and received to/from the opponent station on an

10   IP network on the basis of a predetermined IP
communication protocol by using the IP address of the
opponent station obtained from a predetermined server
on the basis of a telephone number of the opponent
station, and

15   if the opponent station does not have the IP
address, there is selected a second image
communicating procedure by which the image data is
facsimile-modulated by a predetermined facsimile
modulating method, an analog facsimile signal

20   obtained by said facsimile modulation is digitally
encoded by said digital encoding means, and
subsequently, the digital coded signal is sent to the
opponent station through a media gateway for
executing analog/digital signal conversion between

the IP network and a public line network.

6. A control method of the communicating apparatus according to claim 5, wherein in said second image communicating procedure, the digital

5 encoding method of said digital encoding means is switched to the digital encoding method suitable for said facsimile modulating method, and a tone signal necessary for a facsimile communication procedure or facsimile-modulated transmission image data is

10 inputted to said digital encoding means.

7. A control method of the communicating apparatus according to claim 5, wherein when the image data is sent to the opponent station, which one of said first and second image communicating

15 procedures is used is determined by analyzing the telephone number of the opponent station.

8. A control method of the communicating apparatus according to claim 5, wherein in said VoIP speech communication, the digital encoding method of

20 said digital encoding means is selected on the basis of negotiation which is performed on the basis of a VoIP protocol.

9. (amended) A control program of a communicating apparatus for digitally encoding a speech signal by

25 digital encoding means and sending the coded signal to an opponent station, thereby making VoIP speech communication and sending and receiving image data

to/from the opponent station, comprising:

a control step of, when image data is sent to the opponent station,

if the opponent station has an IP address,

5   selecting a first image communicating procedure by which the image data is not facsimile-modulated but sent and received to/from the opponent station on an IP network on the basis of a predetermined IP communication protocol by using the IP address of the

10 opponent station obtained from a predetermined server on the basis of a telephone number of the opponent station, and

if the opponent station does not have the IP address, selecting a second image communicating

15 procedure by which the image data is facsimile-modulated by a predetermined facsimile modulating method, an analog facsimile signal obtained by said facsimile modulation is digitally encoded by said digital encoding means, and subsequently, the digital

20 coded signal is sent to the opponent station through a media gateway for executing analog/digital signal conversion between the IP network and a public line network.

10. A control program of the communicating

apparatus, according to claim 9, wherein in said second image communicating procedure, the digital encoding method of said digital encoding means is switched to the digital encoding method suitable for

5 said facsimile modulating method, and a tone signal necessary for a facsimile communication procedure or facsimile-modulated transmission image data is inputted to said digital encoding means.

11. A control program of the communicating

10 apparatus, according to claim 9, wherein when the image data is sent to the opponent station, which one of said first and second image communicating procedures is used is determined by analyzing the telephone number of the opponent station.

15 12. A control program of the communicating apparatus, according to claim 9, wherein in said VoIP speech communication, the digital encoding method of said digital encoding means is selected on the basis of negotiation which is performed on the basis of a

20 VoIP protocol.

13. (new) A communicating apparatus according to claim 1, wherein in the second image communication procedure, said communication control means switches the digital encoding method of said digital encoding

25 means to a digital encoding method suitable for said facsimile modulating method, and causes said digital encoding means to digitally encode an analog

facsimile signal obtained by said facsimile modulation.

14. (new) A control method of communicating apparatus according to claim 5, wherein in the second
5   image communication procedure, the digital encoding method of said digital encoding means is switched to a digital encoding method suitable for said facsimile modulating method, and said digital encoding means digitally encodes an analog facsimile signal obtained
10   by said facsimile modulation.

15. (new) A control program of communicating apparatus according to claim 9, wherein in the second image communication procedure, the digital encoding method of said digital encoding means is switched to
15   a digital encoding method suitable for said facsimile modulating method, and said digital encoding means digitally encodes an analog facsimile signal obtained by said facsimile modulation.